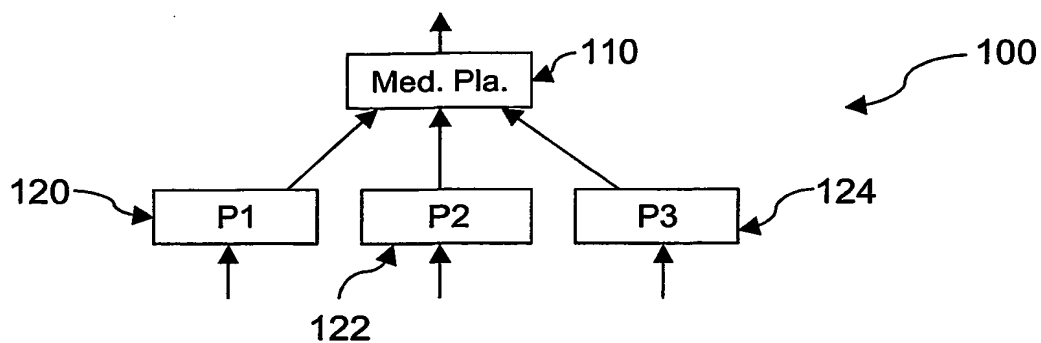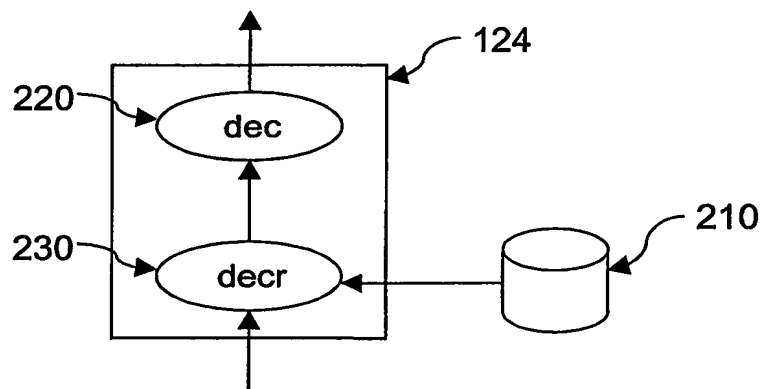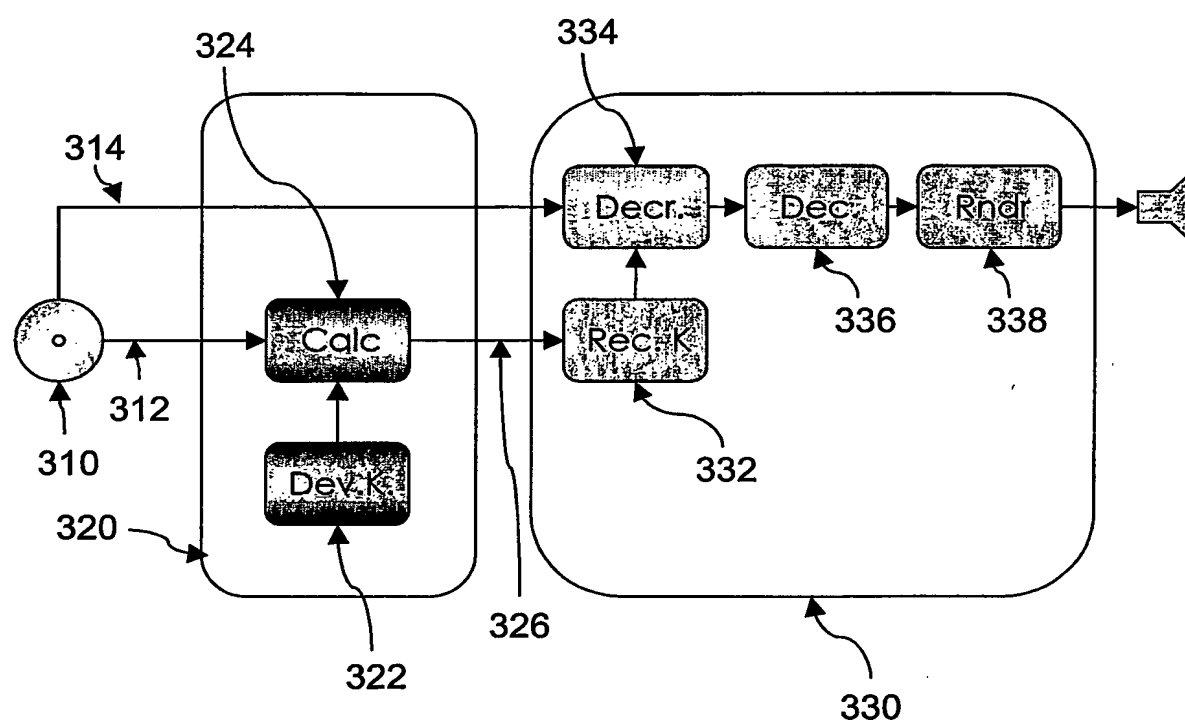1/8

FIG.1

FIG.2

FIG.3

$$f_N \circ \cdots \circ f_1 \left(x \right)$$

$$g_i = p_{2i}^{-1} \circ f_i \circ p_{2i-1}$$
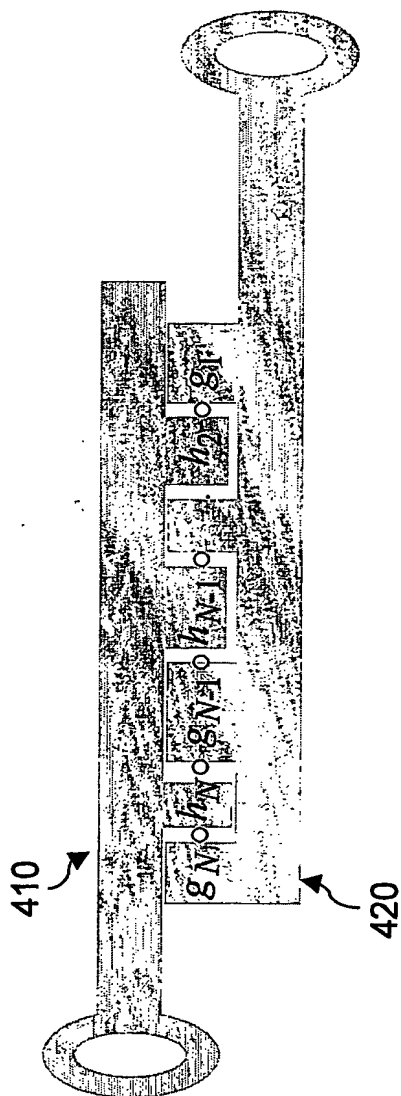
$$h_i = p_{2i-1}^{-1} \circ p_{2i-2}$$

FIG.4

$$p_4(x) = \sqrt{x}; \; p_4^{-1}(x) = x^2$$

$$p_3(x) = \frac{x}{3}; \; p_3^{-1}(x) = 3x$$

$$f_2(x) = x + 3$$

$$g_2(x) = p_4^{-1} \circ f_2 \circ p_3(x) = \left(\frac{x}{3} + 3\right)^2$$

$$h_2(x) = p_3^{-1} \circ p_2(x) = 3 \bullet p_2(x)$$
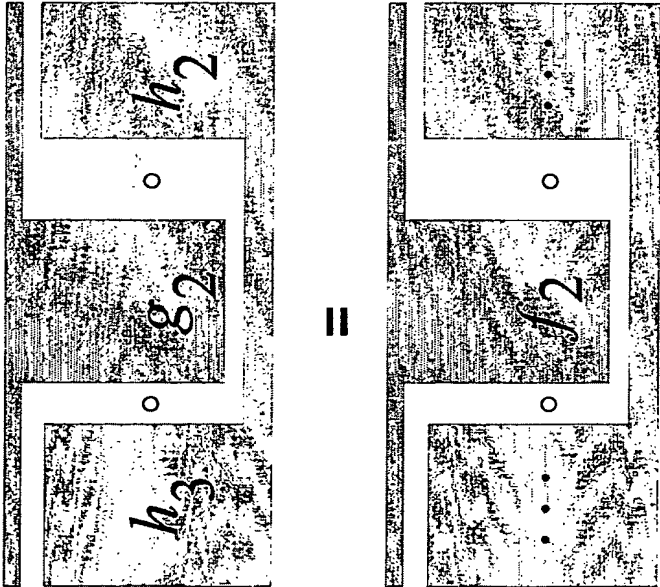
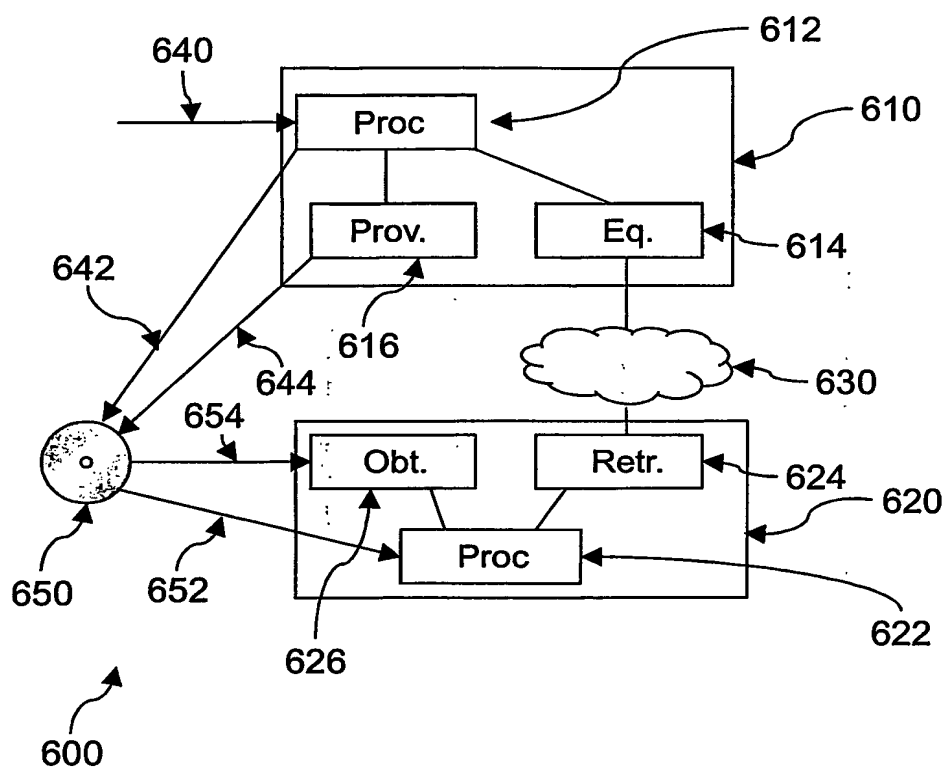$$h_3(x) = p_5^{-1} \circ p_4(x) = p_5^{-1}(\sqrt{x})$$
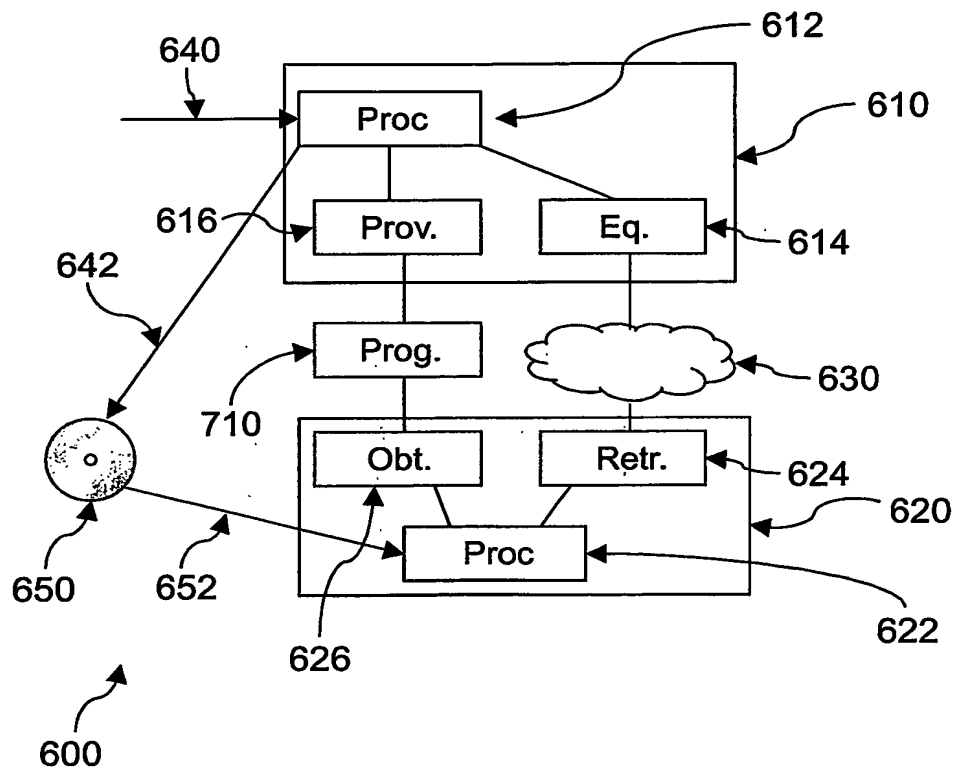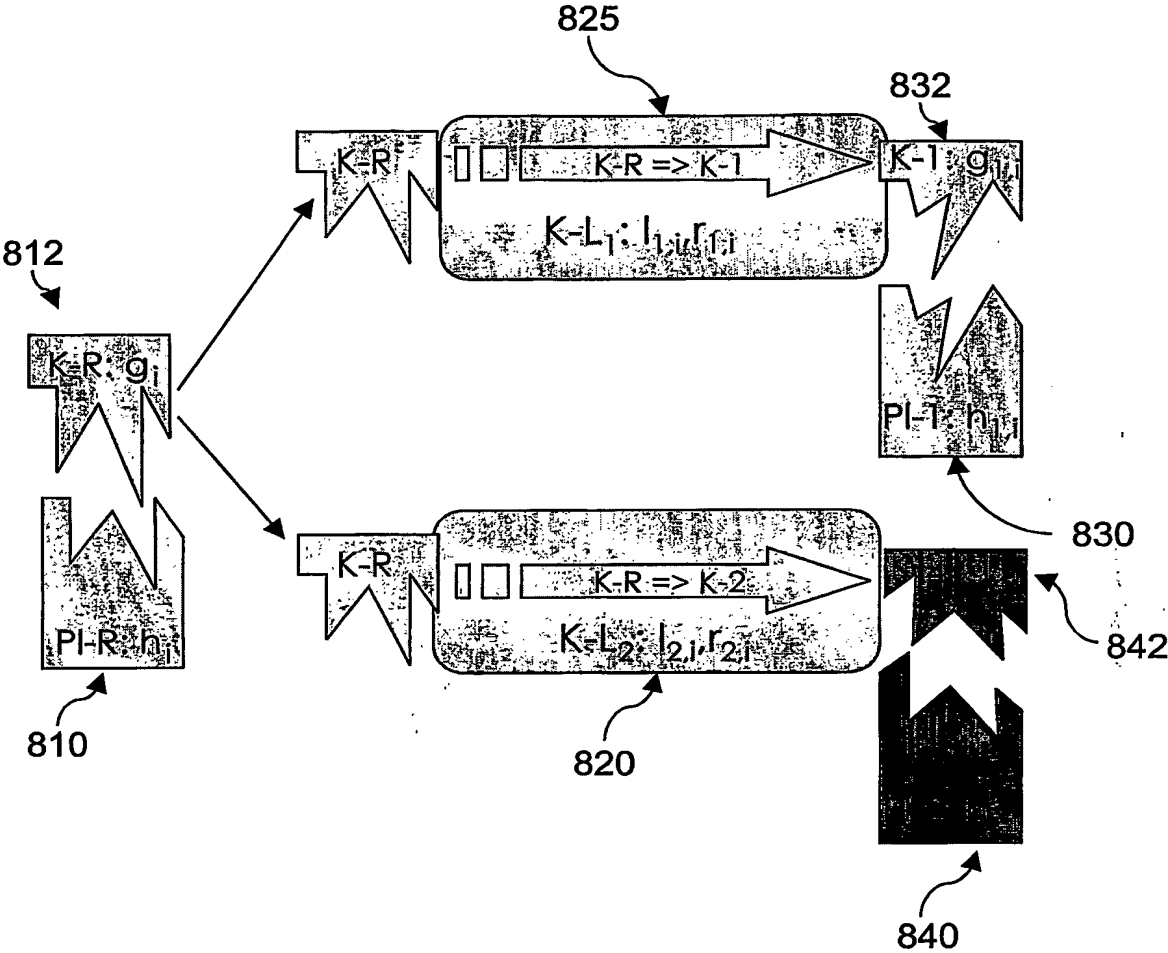

FIG.5

FIG.6

FIG.7

FIG.8

FIG.9